	washington State Patrol - Toxicology Labo	•		
he list provides a general overview of analytes that may be tested for by the Toxicology Laboratory, with corresponding method				
·	ormation and estimated expanded uncertainty, where applicable. Note that general screening includes enzyme multiplied		Day of test: uncertainty calculated	
• , ,	oassay (EMIT) and/or basic drug screening by gas chromatography - mass spectrometry/nitrogen phosphorus detection		on a case-by-case	e basis
	may require additional screening or targeted analyses, either			
laboratory. The Toxicology Laborato	ry reserves the right to decide which method(s) to use. Please	e contact the laboratory at		
	206-262-6100 with any questions.			
Analyte Name	Confirmation Method Name	Typical Reporting Limit	Expanded Uncertainty	Coverage factor
ruiaiyio riaino	Official Motion Plants	. spiral responding zime		go rorago raore.
Volatiles				
acetone	Headspace GC	10 mg/dL	day of test	
butane	Headspace GC/MS	POS	n/a	
desflurane	Headspace GC/MS	POS	n/a	
difluoroethane	Headspace GC/MS	POS	n/a	
ethanol	Headspace GC	0.01-0.02 g/100 mL	8.20%	k=3, 99.73%
ethyl chloride	Headspace GC/MS	POS	n/a	
isopropanol	Headspace GC	10 mg/dL	day of test	
methanol	Headspace GC	10 mg/dL	day of test	
sevoflurane	Headspace GC/MS	POS	n/a	
toluene	Headspace GC/MS	POS	n/a	
Basic Drugs				
bupropion**	GC/MS-NPD for basic drugs and metabolites	0.05-0.10 mg/L	18.93%	k=2, 95.45%
citalopram**	GC/MS-NPD for basic drugs and metabolites	0.05-0.10 mg/L	18.93%	k=2, 95.45%
cyclobenzaprine**	GC/MS-NPD for basic drugs and metabolites	qualitative		
dextromethorphan**	GC/MS-NPD for basic drugs and metabolites	0.05-0.10 mg/L	18.93%	k=2, 95.45%
diphenhydramine**	GC/MS-NPD for basic drugs and metabolites	0.05-0.10 mg/L	18.93%	k=2, 95.45%
ketamine	GC/MS for pain panel compounds	0.025 mg/L	day of test	
meperidine	GC/MS for pain panel compounds	0.025 mg/L	day of test	
methadone	LC/MS for methadone	0.01 mg/L	17.97%	k=2, 95.45%
norketamine	GC/MS for pain panel compounds	0.025 mg/L	day of test	
normeperidine	GC/MS for pain panel compounds	0.025 mg/L	day of test	
phencyclidine (PCP)	GC/MS for phencyclidine	0.01 mg/L	15.66%	k=2, 95.45%
tramadol	GC/MS-NPD for basic drugs and metabolites	0.05-0.10 mg/L	18.93%	k=2, 95.45%
trazodone	LC/MS for trazodone	0.05 mg/L	12.45%	k=2, 95.45%
venlafaxine**	GC/MS-NPD for basic drugs and metabolites	0.05-0.10 mg/L	18.93%	k=2, 95.45%
zolpidem	LC/MS for zolpidem	0.01 mg/L	19.18%	k=2, 95.45%
**NIOTE LO MOMO mathad for acceptite	ation of bupropion, citalopram, cyclobenzaprine, dextromethor	nhan dinhanhudramina wan	lofoving and O docume	thylyoplofoxing
	ontact the laboratory for uncertainty information.	Priari, diprieringuramine, ven	iaiaxiiie aiiu U-uesiile	u iyive ilalaxiile
in use orrizo to treporting innit 0.01). Co	ontact the laboratory for uncertainty information.			
Acidic/Neutral Drugs				

HPLC

acetaminophen

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27.54%

k=2, 95.45%

5.0 mg/L

carbamazepine	GC for acidic and neutral drugs	qualitative		
carisoprodol	GC/MS for carisprodol and meprobamate	1.0 mg/L	27.74%	k_2 05 459/
ibuprofen	GC for acidic and neutral drugs	qualitative	21.1470	k=2, 95.45%
lamotrigine	GC for acidic and neutral drugs	qualitative		
meprobamate	GC/MS for carisprodol and meprobamate	1.0 mg/L	27.74%	k=2, 95.45%
phenytoin	GC for acidic and neutral drugs	qualitative	21.14/0	K=2, 95.45 /6
	GC for acidic and neutral drugs GC for acidic and neutral drugs	•		
topiramate		qualitative	57.77%	k 2 05 450/
valproic acid	GC for valproic acid	10 mg/L	57.77%	k=2, 95.45%
CNS stimulants				
amphetamine	LC/MS/MS for amphetamines	0.01 mg/L	12.95%	k=2.06, 95.45%
ephedrine	GC/MS for amphetamines	0.05 mg/L	15.41%	k=2, 95.45%
MDA	LC/MS/MS for amphetamines	0.01 mg/L	14.11%	k=2.06, 95.45%
MDMA	LC/MS/MS for amphetamines	0.01 mg/L	13.21%	k=2.06, 95.45%
methamphetamine	LC/MS/MS for amphetamines	0.01 mg/L	13.04%	k=2.06, 95.45%
pseudoephedrine	LC/MS/MS for amphetamines	0.01 mg/L	15.31%	k=2.06, 95.45%
Barbiturates				
amobarbital	GC/MS for barbiturates	0.50 mg/L	17.54%	k=2, 95.45%
butalbital	GC/MS for barbiturates	0.50 mg/L	17.54%	k=2, 95.45%
pentobarbital	GC/MS for barbiturates	0.50 mg/L	17.54%	k=2, 95.45%
phenobarbital	GC/MS for barbiturates	0.50 mg/L	17.54%	k=2, 95.45%
secobarbital	GC/MS for barbiturates	0.50 mg/L	17.54%	k=2, 95.45%
Scoodarbital	CO/MC for barbitatates	0.00 mg/L	17.0470	K=2, 30.4070
Cocaine and metabolites				
benzoylecgonine	GC/MS for cocaine and metabolites	0.01 mg/L	12.13%	k=2, 95.45%
cocaethylene	GC/MS for cocaine and metabolites	0.01 mg/L	12.13%	k=2, 95.45%
cocaine	GC/MS for cocaine and metabolites	0.01 mg/L	12.13%	k=2, 95.45%
Antidepressants				
amitriptyline	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
clomipramine	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
desipramine	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
desmethylclomipramine	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
desmethyldoxepin	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
desmethylsertraline	GC/MS for antidepressants (SSRI's) or GC/MS-NPD for basic	qualitative	12.0070	1. 2, 00. 1070
	drugs and metabolites	quamanro		
doxepin	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
fluoxetine	GC/MS for antidepressants (SSRI's)	0.025 mg/L	13.54%	k=2, 95.45%
imipramine	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
norfluoxetine	GC/MS for antidepressants (SSRI's)	0.025 mg/L	13.54%	k=2, 95.45%
nortriptyline	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%

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parayatina	HPLC for antidepressants or GC/MS-NPD for basic drugs and	qualitative	l	
paroxetine	metabolites	qualitative		
sertraline	GC/MS for antidepressants (SSRI's) or GC/MS-NPD for basic	qualitative		
	drugs and metabolites			
trimipramine	LC/MS/MS for antidepressants	0.025 mg/L	12.90%	k=2, 95.45%
Benzodiazepines				
7-aminoclonazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	qualitative (above 0.01 mg/L)		
7-aminoflunitrazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	qualitative (above 0.01 mg/L))	
alpha hydroxy alprazolam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
alprazolam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
chlordiazepoxide	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
clonazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
desalkylflurazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
diazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
flunitrazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
flurazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
lorazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
midazolam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
nordiazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
oxazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
quetiapine	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.02 mg/L	15.41%	k=2, 95.45%
temazepam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
triazolam	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	0.01 mg/L	15.41%	k=2, 95.45%
zopiclone	LC/MS/MS for benzodiazepines, quetiapine, and zopiclone	qualitative (above 0.01 mg/L)		
Cannabinoids				
carboxy-THC	LC/MS/MS for cannabinoids	5.0 ng/mL	14.45%	k=2, 95.45%
THC	LC/MS/MS for cannabinoids	1.0 ng/mL	25.96%*	k=3, 99.73%
1110	EG/MG/MG for carmabilities	-	used for calculation	
Opiates		2070	dised for calculation	Оптероп
6-acetylmorphine	LC/MS/MS for opiates	2 ng/mL	16.53%	k=2, 95.45%
codeine	LC/MS/MS for opiates	0.01 mg/L	16.53%	k=2, 95.45%
hydrocodone	LC/MS/MS for opiates	0.01 mg/L	16.53%	k=2, 95.45%
hydromorphone	LC/MS/MS for opiates	2 ng/mL	16.53%	k=2, 95.45%
morphine	LC/MS/MS for opiates	0.01 mg/L	16.53%	k=2, 95.45%
oxycodone	LC/MS/MS for opiates	0.01 mg/L	16.53%	k=2, 95.45%
oxymorphone	LC/MS/MS for opiates	0.01 mg/L	16.53%	k=2, 95.45%
одиногрнопо	20/Mo/Mo for opiatos	0.01 mg/L	10.0070	K-2, 55.4576
	oounds - not routinely tested for unless requested			
amantadine	By request: GC/MS	qualitative		
brompheniramine	By request: GC/MS	qualitative		

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hunivacaino	Pyroquest: CC/MS	, ,		
bupivacaine	By request: GC/MS By request: LC/MS/MS	qualitative	47.84%	k_2 05 450/
buprenorphine carbon monoxide	By request: Co-oximetry	0.2 ng/mL 5% saturation		k=2, 95.45%
	· · · · · · · · · · · · · · · · · · ·	gualitative	day of test	
chlorpheniramine	By request: GC/MS	qualitative (above 0.25 mg/L)		
cyanide	By request: Screen by Cyantesmo Test Strips			
diltiazem	By request: GC/MS	qualitative		
doxylamine	By request: GC/MS	qualitative		
ethylene glycol	By request: GC/MS	qualitative		
etizolam	By request: GC/MS	qualitative	4= 400/	
fentanyl	By request: LC/MS/MS	0.5 ng/mL	17.16%	k=2.09, 95.45%
flubromazepam	By request: GC/MS	qualitative		
gabapentin	By request: LC/MS	1.0 mg/L	18.49%	k=2, 95.45%
GHB	By request: GC/MS			
guaifenesin	By request: GC/MS	qualitative		
levetiracetam	By request: GC/MS	qualitative		
lidocaine	By request: GC/MS (screen)	qualitative		
	By request: GC/MS (quantitation)	0.1 mg/L	day of test	
loperaminde	By request: LC/MS	qualitative		
mesoridazine	By request: GC/MS	qualitative		
metaxalone	By request: GC/MS	qualitative		
methocarbamol	By request: GC/MS	qualitative		
methylphenidate	By request: GC/MS	qualitative		
metoclopramide	By request: GC/MS	qualitative		
mirtazapine	By request: GC/MS	qualitative		
mitragynine (Kratom)	By request: GC/MS	qualitative		
naloxone	By request: LC/MS/MS	0.2 ng/mL	47.84%	k=2, 95.45%
nefazodone	By request: GC/MS	qualitative		
norbuprenorphine	By request: LC/MS/MS	0.2 ng/mL	47.84%	k=2, 95.45%
norfentanyl	By request: LC/MS/MS	0.5 ng/mL	19.12%	k=2.09, 95.45%
oxcarbazepine	By request: GC/MS	qualitative		
pentazocine	By request: GC/MS	qualitative		
pheniramine	By request: GC/MS	qualitative		
phentermine	By request: GC/MS	qualitative		
phenylpropanolamine	By request: GC/MS	qualitative		
primidone	By request: GC/MS	qualitative		
procaine	By request: GC/MS	qualitative		
promethazine	By request: GC/MS	qualitative		
propoxyphene	By request: GC/MS	qualitative		
strychnine	By request: GC/MS	qualitative		
thioridazine	By request: GC/MS	qualitative		
verapamil	By request: GC/MS	qualitative		
zonisamide	By request: GC/MS	qualitative		
201100111100	Dy Toquost. Go/Mo	quantativo		

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Synthetic cannabinoids ("Spice")	External Lab		
Synthetic cathinones ("Bath salts")	External Lab		
aripiprazole	External Lab		
baclofen	External Lab		
cetirizine	External Lab		
duloxetine	External Lab		
hydroxyzine	External Lab		
lithium	External Lab		
LSD	External Lab		
pregabalin	External Lab		
propofol	External Lab		
psilocin	External Lab		
risperidone	External Lab		
salicylates	External Lab		
synthetic opioids	External Lab		

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